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Arg Ala Ala Lys Leu Ala Pro Glu Phe Ala Lys Arg Asn Val Lys Leu  
55 60 65

att gcc ctt tca ata gac agt gtt gag gac cat ctt gcc tgg agc aag 295  
 Ile Ala Leu Ser Ile Asp Ser Val Glu Asp His Leu Ala Trp Ser Lys  
 70 75 80

gat atc aat gct tac aat tgt gaa gag ccc aca gaa aag tta cct ttt 343  
 Asp Ile Asn Ala Tyr Asn Cys Glu Glu Pro Thr Glu Lys Leu Pro Phe  
 85 90 95 100

ccc atc atc gat gat agg aat cgg gag ctt gcc atc ctg ttg ggc atg 391  
 Pro Ile Ile Asp Asp Arg Asn Arg Glu Leu Ala Ile Leu Leu Gly Met  
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ctg gat cca gca gag aag gat gaa aag ggc atg cct gtg aca gct cgt 439  
 Leu Asp Pro Ala Glu Lys Asp Glu Lys Gly Met Pro Val Thr Ala Arg  
 120 125 130

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 Val Val Phe Val Phe Gly Pro Asp Lys Lys Leu Lys Leu Ser Ile Leu  
 135 140 145

tac cca gct acc act ggc agg aac ttt gat gag att ctc agg gta gtc 535  
 Tyr Pro Ala Thr Thr Gly Arg Asn Phe Asp Glu Ile Leu Arg Val Val  
 150 155 160

atc tct ctc cag ctg aca gca gaa aaa agg gtt gcc acc cca gtt gat 583  
 Ile Ser Leu Gln Leu Thr Ala Glu Lys Arg Val Ala Thr Pro Val Asp  
 165 170 175 180

tgg aag gat ggg gat agt gtg atg gtc ctt cca acc atc cct gaa gaa 631  
 Trp Lys Asp Gly Asp Ser Val Met Val Leu Pro Thr Ile Pro Glu Glu  
 185 190 195

gaa gcc aaa aaa ctt ttc ccg aaa gga gtc ttc acc aaa gag ctc cca 679  
 Glu Ala Lys Lys Leu Phe Pro Lys Gly Val Phe Thr Lys Glu Leu Pro  
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35 40 45

Thr Glu Leu Gly Arg Ala Ala Lys Leu Ala Pro Glu Phe Ala Lys Arg  
50 55 60

Asn Val Lys Leu Ile Ala Leu Ser Ile Asp Ser Val Glu Asp His Leu  
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Ala Trp Ser Lys Asp Ile Asn Ala Tyr Asn Cys Glu Glu Pro Thr Glu  
85 90 95

Lys Leu Pro Phe Pro Ile Ile Asp Asp Arg Asn Arg Glu Leu Ala Ile  
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Leu Leu Gly Met Leu Asp Pro Ala Glu Lys Asp Glu Lys Gly Met Pro  
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130 135 140

Leu Ser Ile Leu Tyr Pro Ala Thr Thr Gly Arg Asn Phe Asp Glu Ile  
145 150 155 160

Leu Arg Val Val Ile Ser Leu Gln Leu Thr Ala Glu Lys Arg Val Ala  
165 170 175

Thr Pro Val Asp Trp Lys Asp Gly Asp Ser Val Met Val Leu Pro Thr  
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Leu	Leu	Leu	Gly	Asp	Val	Ala	Pro	Asn	Phe	Glu	Ala	Asn	Thr	Thr	Val	
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Gly	Arg	Ile	Arg	Phe	His	Asp	Phe	Leu	Gly	Asp	Ser	Trp	Gly	Ile	Leu	
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Phe	Ser	His	Pro	Arg	Asp	Phe	Thr	Pro	Val	Cys	Thr	Thr	Glu	Leu	Gly	
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Arg	Ala	Ala	Lys	Leu	Ala	Pro	Glu	Phe	Ala	Lys	Arg	Asn	Val	Lys	Leu	
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85					90					95					100	
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Pro	Ile	Ile	Asp	Asp	Arg	Asn	Arg	Glu	Leu	Ala	Ile	Leu	Leu	Gly	Met	
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ctg	gat	cca	gca	gag	aag	gat	gaa	aag	ggc	atg	cct	gtg	aca	gct	cgt	439
Leu	Asp	Pro	Ala	Glu	Lys	Asp	Glu	Lys	Gly	Met	Pro	Val	Thr	Ala	Arg	
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gtg	gtg	ttt	gtt	ttt	ggt	cct	gat	aag	aag	ctg	aag	ctg	tct	atc	ctc	487
Val	Val	Phe	Val	Phe	Gly	Pro	Asp	Lys	Lys	Leu	Lys	Leu	Ser	Ile	Leu	
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Tyr	Pro	Ala	Thr	Thr	Gly	Arg	Asn	Phe	Asp	Glu	Ile	Leu	Arg	Val	Val	
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Asn Thr Thr Val Gly Arg Ile Arg Phe His Asp Phe Leu Gly Asp Ser  
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Trp Gly Ile Leu Phe Ser His Pro Arg Asp Phe Thr Pro Val Cys Thr  
35 40 45

Thr Glu Leu Gly Arg Ala Ala Lys Leu Ala Pro Glu Phe Ala Lys Arg  
50 55 60

Asn Val Lys Leu Ile Ala Leu Ser Ile Asp Ser Val Glu Asp His Leu  
65 70 75 80

Ala Trp Ser Lys Asp Ile Asn Ala Tyr Asn Cys Glu Glu Pro Thr Glu  
85 90 95

Lys Leu Pro Phe Pro Ile Ile Asp Asp Arg Asn Arg Glu Leu Ala Ile  
100 105 110

Leu Leu Gly Met Leu Asp Pro Ala Glu Lys Asp Glu Lys Gly Met Pro  
115 120 125

Val Thr Ala Arg Val Val Phe Val Phe Gly Pro Asp Lys Lys Leu Lys  
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Leu Ser Ile Leu Tyr Pro Ala Thr Thr Gly Arg Asn Phe Asp Glu Ile  
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Thr

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